

# THE VOLGOGRAD-DONBASS HVDC SCHEME

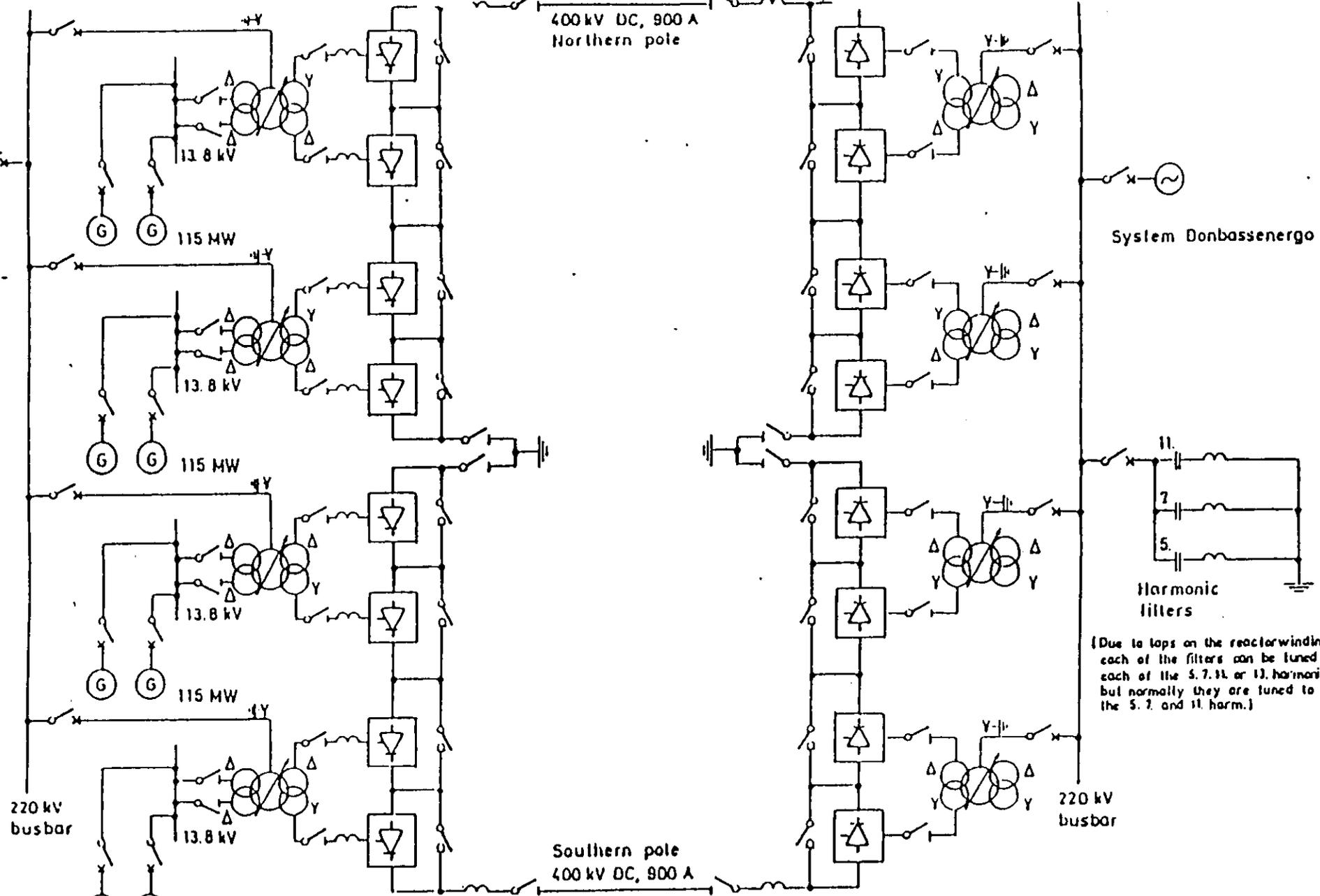
Geographic map



VOLZIISKAYA

MIKHAILOVSKAYA

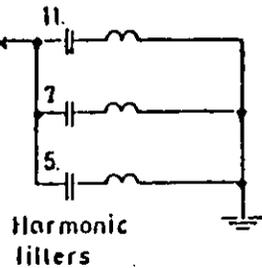
System Volgograd-energo



470 km  
400 kV DC, 900 A  
Northern pole

Southern pole  
400 kV DC, 900 A

System Donbassenergo



Harmonic filters  
(Due to taps on the reactor windings each of the filters can be tuned to each of the 5, 7, 11 or 13 harmonics but normally they are tuned to the 5, 7 and 11 harm.)

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Simplified single line diagram